

GILA RIVER BASIN

09487400 QUIJOTOA WASH TRIBUTARY NEAR QUIJOTOA, AZ

LOCATION.--Lat 32°10'25", long 112°06'30", Pima County, Hydrologic Unit 15050306, on the Papago Indian Reservation, at the Quijotoa-Casa Grande Road, and 1.1 mi north of Quijotoa.

DRAINAGE AREA.--2.44 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	00-00-63	127		1970	08-00-70	200	
1964	07-24-64	715		1971	00-00-71	370	
1965	00-00-65	0		1972	07-00-72	190	
1966	08-00-66	225		1973	08-17-73	20	ES
1967	00-00-67	0		1974	09-26-74	420	
1968	12-00-67	5.0	LT	1975	08-26-75	470	
1969	08-05-69	5.0	LT				

Magnitude and probability of instantaneous peak flow based on period of record 1963-75

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
168	370	546	813	1,040	1,300
Weighted skew	(logs) =	-0.26			
Mean	(logs) =	2.21			
Standard dev.	(logs) =	0.42			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
88.9	3.6	2,800	0.0	1.0	10.1	2.1	4.9

